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<p>Substitute for form 1449B/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				<p>Complete if Known</p> <table border="1"> <tr> <td>Application Number</td> <td>10/849,518</td> </tr> <tr> <td>Filing Date</td> <td>05/20/2004</td> </tr> <tr> <td>First Named Inventor</td> <td>Gregory D. PLOWMAN</td> </tr> <tr> <td>Group Art Unit</td> <td>Unassigned</td> </tr> <tr> <td>Examiner Name</td> <td>Unassigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>034536-1595</td> </tr> </table>		Application Number	10/849,518	Filing Date	05/20/2004	First Named Inventor	Gregory D. PLOWMAN	Group Art Unit	Unassigned	Examiner Name	Unassigned	Attorney Docket Number	034536-1595
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Sheet	1	of	14														

U.S. PATENT DOCUMENTS

Examiner Signature		Date Considered	11-9-00
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				Group Art Unit	Unassigned
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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
U	A16	EP	0 520 722	A1	ICI PLC	12-30-1992		
	A17	EP	0 566 226	A1	ZENECA LTD	10-20-1993		
	A18	EP	0 562 734	A1	ZENECA LTD	09-29-1993		
	A19	WO	91/15495	A1	PFIZER INC.	10-17-1991		
	A20	WO	92/20642	A1	RHONEPOULENC RORER INTERNATIONAL INC.	11-26-1992		
	A21	WO	92/21660	A1	PFIZER INC.	12-10-1992		
	A22	WO	93/09236	A1	BAYLOR COLLEGE OF MEDICINE	05-13-1993		
	A23	WO	93/10242	A1	COLD SPRING HARBOR LABORATORY	05-27-1993		
	A24	WO	94/01119	A1	NATIONAL UNIVERSITY OF SINGAPORE	01-20-1994		
	A25	WO	94/14808	A1	FARMITALIA CARLO ERBA S.R.L.	07-07-1994		
	A26	WO	94/23039	A1	THE INSTITUTE OF CANCER RESEARCH: ROYAL CANCER HOSPITAL	10-13-1994		
U	A27	WO	95/06735	A2	THE LUDWIG INSTITUTE FOR CANCER RESEARCH	03-09-1995		
	A28	WO	96/34985	A1	PHARMACIA S.P.A.	08-01-1996		
	A29	WO	96/34985	A1	SUGEN, INC.	11-07-1996		

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	A30	ABE et al., "Molecular Characterization of a Novel Metabotropic Glutamate Receptor mGluR5 Coupled to Insitol Phosphate/Ca ²⁺ Signal," <u>J. Biol. Chem.</u> , 1992, PP. 13361-13368, Vol. 267, No. 19		
	A31	Accession number AR021339 on GenEmbl database, December 1998		
	A32	ALLEN et al., "Modulation of CD4 by suramin," <u>Clin. Exp. Immunol.</u> , 1991, pp. 141-146, Vol. 91		
	A33	ALTSCHUL et al., "Basic Local Alignment Search Tool," <u>J. Mol. Biol.</u> , 1990, pp. 403-410, Vol. 215		
	A34	ANAFI et al., "Tyrphostin-Induced Inhibition of p210 ^{bcr-abl} Tyrosine Kinase Activity Induces K562 to Differentiate," <u>Blood</u> , 1993, pp. 3524-3529, Vol. 82		
	A35	AOKI et al., "The Novel Protein-Tyrosine Phosphatase PTP20 is a Positive Regulator of PC12 Cell Neuronal Differentiation," <u>J. Biol. Chem.</u> , 1996, pp. 29422-29426, Vol. 271, No. 461		
	A36	AUSUBEL et al., "Tyrphostin-Induced Inhibition of p210 ^{bcr-abl} Tyrosine Kinase Activity Induces K562 to Differentiate," <u>Blood</u> , 1993, pp. 3524-3529, Vol. 82		
	A37	BAKER et al., "Induction of acetylcholine receptor clustering by native polystyrene beads," <u>Journal of Cell Science</u> , 1992, pp. 543-555, Vol. 102		
	A38	BARKER et al., "In vitro activity of non-glutamate containing quinazoline-based thymidylate synthase inhibitors," <u>Proceedings of the American Association for Cancer Research</u> , 1991, p. 327 at abstract No. 1939, Vol. 32		
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	A40	BAYER et al., "The Avidin-Biotin Complex in Affinity Cytochemistry," <u>Methods in Enzymology</u> , 1979, pp. 308-319, Vol. 62		
	A41	BENOIST et al., "In vivo sequence requirements of the SV40 early promoter region," <u>Nature</u> , 1981, pp. 304-310, Vol. 290		
	A42	BERTINO et al., "Toward improved selectivity in cancer chemotherapy: the Richard and Hinda Rosenthal Foundation Award Lecture," <u>Cancer Research</u> , 1979, pp. 293-304, Vol. 39		

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Up	A43	BIGNER et al., "Structural chromosomal abnormalities in human medulloblastoma," <u>Cancer Genet. Cytogenet.</u> , 1988, pp. 91-101, Vol. 30			T ⁶
	A44	BILDER et al., "Tyrophostins inhibit PDGF-induced DNA synthesis and associated early events in smooth muscle cells," <u>Am. J. Physiol.</u> , 1991, pp. C721-C730, Vol. 260, Vol. 29			
	A45	BOLLON et al., "DNA transformation efficiency of various bacterial and yeast host-vector systems," <u>Journal of Clinical Hematology and Oncology</u> , 1980, pp. 39-487, Vol. 10, Nos. 2 & 3			
	A46	BOTSTEIN et al., "Making mutations in vitro and putting them back into yeast," <u>Miami Winter Symposia – From Gene to Protein: Translation into Biotechnology</u> , edited by Ahmad et al., 1982, pp. 265-274, Vol. 19, Academic Press			
	A47	BRINSTER et al., "Factors affecting the efficiency of introducing foreign DNA into mice by microinjecting eggs," <u>Proc. Natl. Acad. Sci. USA</u> , 1985, pp. 4438-4442, Vol. 82			
	A48	BROACH et al., "The Yeast Plasmid 2μ Circle," <u>Cell</u> , 1982, pp. 203-204, Vol. 28			
	A49	BROACH, <u>The Molecular Biology of the Yeast Saccharomyces: Life Cycle and Inheritance</u> , 1981, pp. 445-470, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY			
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	A51	BRYCKAERT et al., <u>Experimental Cell Research</u> , 1992, pp. 255-261, Vol. 199			
	A52	BULLOCK et al., <u>Techniques in Immunocytochemistry</u> , Vol. 1 (1982), Vol. 2 (1982), Vol. 3 (1985), Academic Press, Orlando, FL (TABLE OF CONTENTS ONLY)			
	A53	BURKE et al., "Arylamides of Hydroxylated Isoquinolines as Protein-Tyrosine Kinase Inhibitors," <u>Bioorganic & Medical Chemistry Letters</u> , 1992, pp. 1771-1774, Vol. 2, No. 12			
Up	A54	BURKE et al., "Bicyclic Compounds as Ring-Constrained Inhibitors of Protein-Tyrosine Kinase p56 ^{ck1} ," <u>Journal of Medicinal Chemistry</u> , 1993, pp. 425-432, Vol. 36, No. 4			
Up	A55	CAMPBELL, <u>Monoclonal Antibody Technology: Laboratory Techniques in Biochemistry and Molecular Biology</u> , Elsevier Science Publishers, Amsterdam, The Netherlands, 1984			

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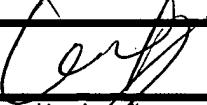
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LG	A56	CAPECCHI, "Altering the Genome by Homologous Recombination," <u>Science</u> , 1989, pp. 1288-1292, Vol. 244			
	A57	CAPECCHI, "High Efficiency Transformation by Direct Microinjection of DNA into Cultured Mammalian Cells," <u>Cell</u> , 1980, pp. 479-488, Vol. 22			
	A58	CENATIEMPO, "Prokaryotic Gene Expression In Vitro: Transcription – Translation Coupled Systems," <u>Biochimie</u> , 1986, pp. 505-516, Vol. 68			
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	A60	CHATER et al., <u>Sixth International Symposium on Actinomycetales Biology</u> , 1986, pp. 45-54, Akademiai Kaido, Budapest, Hungary			
	A61	CHEN, "High-Efficiency Transformation of Mammalian Cells by Plasmid DNA," <u>Molecular and Cellular Biology</u> , 1987, pp. 2745-2754, Vol. 7, No. 8			
	A62	CHOMCZYNSKI et al., "Single-Step Method of RNA Isolation by Acid Guanidinium Thiocyanate-Phenol-Chloroform Extraction," <u>Analytical Biochemistry</u> , 1987, pp. 156-159, Vol. 162			
	A63	CHU et al., "Electroporation for the efficient transfection of mammalian cells with DNA," <u>Nucleic Acids Research</u> , 1987, pp. 1311-1326, Vol. 15			
	A64	CURIEL et al., "Adenovirus Enhancement of Transferring-Polylysine-Mediated Gene Delivery," <u>Proc. Natl. Acad. Sci. USA</u> , October 1991, pp. 247-252, Vol. 86			
	A65	CURIEL et al., "Gene Transfer to Respiratory Epithelial Cells via the Receptor-mediated Endocytosis Pathway," <u>Am. J. Respir. Cell. Mol. Biol.</u> , 1992, pp. 247-252, Vol. 6			
	A66	CURTIN et al., "Inhibition of the growth of human hepatocellular carcinoma in vitro and in athymic mice by a quinazoline inhibitor of thymidylate synthase, CB3717," <u>Br. J. Cancer</u> , 1986, pp. 361-368, Vol. 53			
LG	A67	DIJKE et al., "Activin Receptor-like Kinases: A Novel Subclass of Cell-Surface Receptors with Predicted Serine/Threonine Kinase Activity," <u>Oncogene</u> , 1993, p. 2879, Vol. 8			
	A68	DOLLE et al., "5,7-Dimethoxy-3-(4-pyridinyl)auinoline is a Potent and Selective Inhibitor of Human Vascular – Type Platelet – Derived Growth Factor Receptor Tyrosine Kinase," <u>J. Med. Chem.</u> , 1994, pp. 2627-2629, Vol. 37			

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	A69	DONG et al., "Protein Tyrosine Kinase Inhibitors Decrease Induction of Nitric Oxide Synthase Activity in Lipopolysaccharide-Responsive and Lipopolysaccharide-Nonresponsive Murine Macrophages," <u>The Journal of Immunology</u> 151(5):2717-2724 (1993).			T ⁶
	A70	DONG et al., "Activation of tumocidal properties in macrophages by lipopolysaccharide requires protein - tyrosine kinase activity," <u>Journal of Leukocyte Biology</u> , 1993, pp. 53-60, Vol. 53			
	A71	ECK et al., "Gene-Based Therapy," <u>The Pharmacological Basis of Therapeutics</u> , Goodman and Gilman, Eds., 1996, pp. 77-101			
	A72	ENGVALL and PERLMANN, "Enzyme-Linked Immunosorbent Assay, ELISA. III. Quantitation of Specific Antibodies by Enzyme-Labeled Anti-Immunoglobulin in Antigen-Coated Tubes," <u>J. Immunology</u> 109:129-135 (1972) (mistakenly referred to as Engval).			
	A73	FELGNER and RINGOLD, "Cationic liposome-mediated transfection," <u>Nature</u> 337:387-388 (1989).			
	A74	FELGNER et al., "Lipofection: A Highly Efficient, Lipid-mediated DNA-transfection Procedure," <u>Proc. Natl. Acad. Sci. USA</u> 84:7413-7417 (1987).			
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	A76	FERRIS et al., "Synthesis of Quinazoline Nucleosides from Ribose and Anthranilonitrile. Application of Phase-Transfer Catalysis in Nucleoside Synthesis," <u>J. Org. Chem.</u> 44(2):173-178 (1979).			
	A77	FIELDS et al., "Cell Surface Markers for Distinguishing Different Types of Rat Dorsal Root Ganglion Cells in Culture," <u>Cell</u> , 1978, p. 43, Vol. 14			
	A78	FINGL and WOODBURY, "Chapter 1- General Principles," in <u>The Pharmacological Basis of Therapeutics</u> , 5 th Edition, Goodman and Gilman, Eds., MacMillan Publishing Co., Inc. New York, pp. 1-46, 1975			
	A79	FRANZEN et al., "Cloning of a TGF β Type I Receptor that Forms a Heteromeric Complex with the TGF β Type II Receptor," <u>Cell</u> , 1993, p. 681, Vol. 75, No. 4			
	A80	FRY et al., "A Specific Inhibitor of the Epidermal Growth Factor Receptor Tyrosine Kinase," <u>Science</u> 265:1093-1095 (1994).			
	A81	GAZIT et al., "Tyrphostins 1. Synthesis and Biological Activity of Protein Tyrosine Kinase Inhibitors," <u>J. Med. Chem.</u> 32:2344-2352 (1989).			

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WP	A82	GAZIT et al., "Tyrphostins. 3. Structure-Activity Relationship Studies of a -Substituted Benzylidene malononitrile 5-S-Aryltyrphostins," <u>J. Med. Chem.</u> 36:3556-3564 (1993).	
	A83	GILMAN et al., "Isolation of sigma-28-specific promoters from <u>Bacillus subtilis</u> DNA," <u>Gene</u> 32:11-20 (1984).	
	A84	GLICK and WHITNEY, "Factors affecting the expression of foreign proteins in <u>Escherichia coli</u> ," <u>Journal of Industrial Microbiology</u> 1:277-282 (1987).	
	A85	GODING, "Conjugation of Antibodies with Fluorochromes: Modifications to the Standard Methods," <u>J. Immunological Methods</u> 13:215-226 (1976).	
	A86	GOLD et al., "Translational Initiation in Prokaryotes," <u>Ann. Rev. Microbiol.</u> 35:365-403 (1981).	
	A87	GOTTESMAN, "Bacterial Regulation: Global Regulatory networks," <u>Ann. Rev. Genet.</u> 18:415-441 (1984).	
	A88	GRAHAM et al., "Characteristics of a Human Cell Line Transformed by DNA from Human Adenovirus Type 5," <u>J. of Gen. Virology</u> , 1977, pp. 59-72, Vol. 36	
	A89	GREENE et al., "PC12 Pheochromocytoma Cells: Culture, Nerve Growth Factor Treatment, and Experimental Exploitation," <u>Methods Enzymol.</u> , 1987, p. 207, Vol. 147	
	A90	HAMMER and WALLING, "Regulation In Vivo of a Cloned Mammalian Gene: Cadmium Induces the Transcription of a Mouse Metallothionein Gene in SV40 Vectors," <u>J. of Molecular and Applied Genetics</u> 1:273-288 (1982).	
	A91	HAMMER et al., "Spontaneous Inflammatory Disease in Transgenic Rats Expressing HLA-B27 and Human B2m: An Animal Model of HLA-B27-Associated Human Disorders," <u>Cell</u> 63:1099-1112 (1990).	
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	A94	HASLAM et al., "Pleckstrin Domain Homology," <u>Nature</u> , 1993, p. 309, Vol. 363	

Examiner Signature		Date Considered	11-9-05
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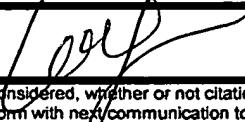
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/849,518
				Filing Date	05/20/2004
				First Named Inventor	Gregory D. PLOWMAN
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
(use as many sheets as necessary)				Attorney Docket Number	034536-1595
Sheet	8	of	14		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CJ	A95	HAWROT and PATTERSON, "Long-Term Culture of Dissociated Sympathetic Neurons," in <u>Methods in Enzymology – Cell Culture</u> , Jakoby and Pastan Eds., Academic Press, New York, NY, 1979, pp. 574-584	
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Sheet	9	of	14	Application Number	10/849,518
				Filing Date	05/20/2004
				First Named Inventor	Gregory D. PLOWMAN
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	034536-1595

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<i>CL</i>	A109	KASPRZAK et al., "Location of a Contact Site Between Actin and Myosin in the Three-Dimensional Structure of the Acto-S1 Complex," <u>Biochemistry</u> 28:9230-9238 (1989) (also referred to as Kaspczak).				
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Examiner Signature	<i>John</i>	Date Considered	<i>11-9-05</i>
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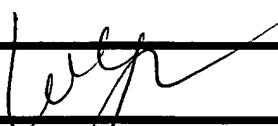
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/849,518
				Filing Date	05/20/2004
				First Named Inventor	Gregory D. PLOWMAN
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
(use as many sheets as necessary)				Attorney Docket Number	
Sheet	10	of	14	034536-1595	

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	A128	MAYER et al., "A novel viral oncogene with structural similarity to phospholipase C," <u>Nature</u> , 1988, pp. 272-275, Vol. 332		
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U	A135	MULLIGAN, "The Basic Science of Gene Therapy," <u>Science</u> 260:926-932 (1993).			
	A136	NELSON, "Detection of Acridinium Esters by Chemiluminescence," <u>Nonisotopic DNA Probe Techniques</u> , ed. Larry J. Kricka, (San Diego:Academy Press, Inc.) pp. 275-310 (1992) (Table of Contents Only).			
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	A139	PATI, "Novel vectors for expression of cDNA encoding epitope-tagged proteins in mammalian cells," <u>Gene</u> 114:2856-288 (1992).			
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U	A148	Remington's Pharmaceutical Sciences, 1990, 18 th ed., Mack Publishing Co., Easton, PA			T ⁶
	A149	RENDU et al., "Inhibition of Platelet Activation by Tyrosine Kinase Inhibitors," <u>Biochemical Pharmacology</u> 44(5):881-888 (1992).			
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Up	A161	SIKORA and GRZELAKOWSKA-SZTABERT, "Quinazoline CB 3717 and CB 3703 Inhibitors of Folate Retention and Metabolism in Ehrlich Ascites Carcinoma Cells and Some Organs of the Host-Mouse," <u>Cancer Letters</u> 23:289-295 (1984).	
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	A168	STRAUSBERG, "National Cancer Institute, Cancer Genome Anatomy Project," <u>EMBL Database</u> , entry HS1185621; accession number AA281242, 1997	
	A169	TABOR et al., "DNA sequence analysis with a modified bacteriophage T7 DNA polymerase," <u>Proc. Natl. Acad. Sci. USA</u> 84:4767-4771 (1987).	
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	A171	TSUCHIDA et al., "Molecular Cloning of a Novel Type I Receptor Serine/Theonine Kinase for the TGF β Superfamily from Rat Brain," <u>Molec. Cell. Neurosci.</u> , 1996, p. 467, Vol. 7	
Up	A172	ULMANEN et al., "Transcription and Translation of Foreign Genes in <i>Bacillus subtilis</i> by the Aid of a Secretion Vector," <u>Journal of Bacteriology</u> 162:176-182 (1985).	
	A173	VERMA et al., <u>Nature</u> , 1997, pp. 239-242, Vol. 389	

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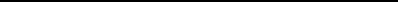
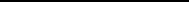
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				Application Number	10/849,518
				Filing Date	05/20/2004
				First Named Inventor	Gregory D. PLOWMAN
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	14	of	14	Attorney Docket Number	034536-1595

NON PATENT LITERATURE DOCUMENTS

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⁵Standard ST.13). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷Applicant is to place a check mark here if English language Translation is attached.

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